



## LONG ISLAND UNIVERSITY

SCIENCE ENGINEERING RESEARCH GROUP

CR-133080

ERTS 070

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15 April 1973

ADDRESS REPLY TO:  
SCIENCE ENGINEERING RESEARCH GROUP  
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P.O. BOX 400  
GREENVALE, NEW YORK 11548

National Aeronautics and Space Administration  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period  
15 February 1973 to 15 April 1973

This document is submitted herewith in reference to Contract No.  
NAS5-21792 and includes the following:

- A) Title of the Investigation: An Interdisciplinary Study of the  
Estuarine and Coastal Oceanography  
of Block Island Sound and Adjacent  
New York Coastal Waters
- B) GSFC Identification Number: UN 558 (Dr. Edward Yost)
- C) The quantity of the aircraft imagery in support of this investi-  
gation supplied under the Aircraft Program is adequate. The  
quality is generally good, but in some of the cases the imagery  
is not usable depending upon the nature of the study. Imagery  
taken over Block Island Sound and Long Island's South Shore area  
in color infrared could not be used due to overexposure, while  
the imagery taken in multispectral format is of good quality.  
Imagery taken on 21 August 1972 and 28 March 1973 is also being  
used to extract information which would be correlated to the  
ground truth and the ERTS MSS imagery.
- D) Additive color analysis was performed on ERTS frame nos. 1167-  
15013, 1185-15015, and 1186-15075. These photographs were taken  
on the 6th, 24th, and 25th of January 1973. Positive color  
prints were made by using different multispectral renditions  
at a scale of 1:500,000.

N73-26342

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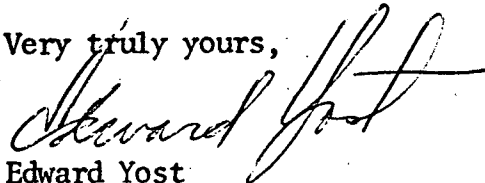
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E73-10736) AN INTERDISCIPLINARY STUDY OF  
THE ESTUARINE AND COASTAL OCEANOGRAPHY OF  
BLOCK ISLAND SOUND AND ADJACENT NEW YORK  
COASTAL WATERS Progress Report, (Long  
Island Univ.) 2 p HC \$3.00 CSCL 08C

ERTS 070 Type I Progress Report continued ...

- E) Four cruises are planned for the field sampling effort in Block Island Sound and New York Bight areas. It is expected that 90 percent of the sampling effort would be completed by the end of the next reporting interval.
- F) Candidate frames selected from the ERTS imagery will be re-processed and the analysis will be performed by using image enhancement techniques in order to derive the maximum information.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Edward Yost", written in dark ink.

Edward Yost  
Professor and Director